

Comparisons of Job Characteristics

Focus Occupation: [Construction Managers \(11-9021\)](#)

Associated Occupation: [Architects, Except Landscape and Naval \(17-1011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Construction Managers (11-9021)

Associated Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Design	5.2	25.0	14.4	<<	Extensive education and/or training may be required
Building and Construction	4.0	22.4	22.2	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	20.3	15.3	<<	Extensive education and/or training may be required
Administration and Management	8.4	14.9	16.5	>	Current knowledge level is likely sufficient
Public Safety and Security	6.9	14.2	12.2	<	Expanded education and/or training may be required
Sales and Marketing	5.2	14.0	7.8	<<	Extensive education and/or training may be required
Law and Government	5.9	13.4	10.1	<<	Extensive education and/or training may be required
Production and Processing	6.0	11.4	8.8	<<	Extensive education and/or training may be required
Fine Arts	2.2	10.4	1.3	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	9.8	11.0	>	Current knowledge level is likely sufficient
Sociology and Anthropology	4.1	9.6	2.3	<<	Extensive education and/or training may be required
Geography	3.9	8.2	3.1	<<	Extensive education and/or training may be required
History and Archeology	2.6	7.2	1.7	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Construction Managers (11-9021)
Associated Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Critical Thinking	10.8	15.5	12.8	<	A higher skill level may be required
Judgment and Decision Making	9.4	14.6	11.4	<<	Extensive development of skills in this area may be required
Complex Problem Solving	9.1	14.5	12.3	<	A higher skill level may be required
Operations Analysis	5.0	12.7	11.1	<	A higher skill level may be required
Coordination	9.1	12.6	12.8	0	Current skill level may be sufficient
Mathematics	6.2	11.7	10.4	<	A higher skill level may be required
Negotiation	6.8	10.8	12.3	>	Skill level is likely sufficient
Management of Financial Resources	3.3	9.5	12.2	>>	Skill level is likely more than sufficient
Management of Material Resources	3.7	8.8	10.4	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Construction Managers (11-9021)
Associated Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Visualization	7.5	16.9	11.5	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	16.5	13.0	<<	Extensive improvement in abilities may be required
Near Vision	11.1	15.7	12.2	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	15.5	14.2	0	Current ability level may be sufficient
Fluency of Ideas	7.6	15.2	9.3	<<	Extensive improvement in abilities may be required
Originality	7.6	15.0	8.9	<<	Extensive improvement in abilities may be required
Information Ordering	9.9	14.8	11.8	<	Some improvement in abilities may be required
Category Flexibility	9.0	13.9	10.1	<<	Extensive improvement in abilities may be required
Number Facility	6.3	13.4	11.0	<	Some improvement in abilities may be required
Far Vision	7.8	13.0	12.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 83

Focus Occupation: Construction Managers (11-9021)

Associated Occupation: Architects, Except Landscape and Naval (17-1011)

Work Activities	Exclusivity of Activity
Compute production, construction, or installation specifications	58
Direct and coordinate activities of workers or staff	3
Estimate time or cost for installation, repair, or construction projects	54
Inspect facilities or equipment for regulatory compliance	51
Inspect project operations, or site to determine specification compliance	72
Interpret maps for architecture, construction, or engineering project	77
Manage contracts	73
Negotiate business contracts	60
Obtain information from individuals	24
Prepare contract documents	78
Recognize construction industry codes or symbols on blueprints	87
Understand construction specifications	53
Understand government construction contracting regulations	87
Use building or land use regulations	65
Use computers to enter, access or retrieve data	3
Use knowledge of investigation techniques	16
Use project management techniques	47

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 83

Focus Occupation: Construction Managers (11-9021)

Associated Occupation: Architects, Except Landscape and Naval (17-1011)

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Content management software	6
Data management and query software	1
Finance accounting and enterprise resource planning ERP software	2
Industry specific software	1
Information exchange software	1
Measuring and layout tools	3
Network applications software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.